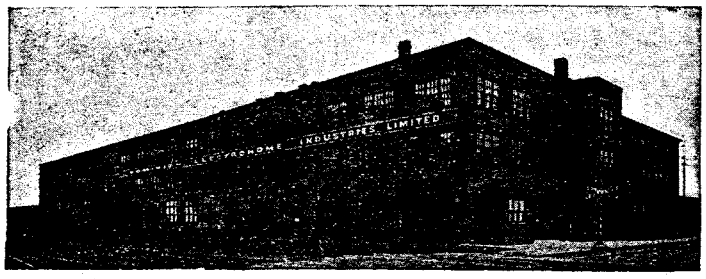
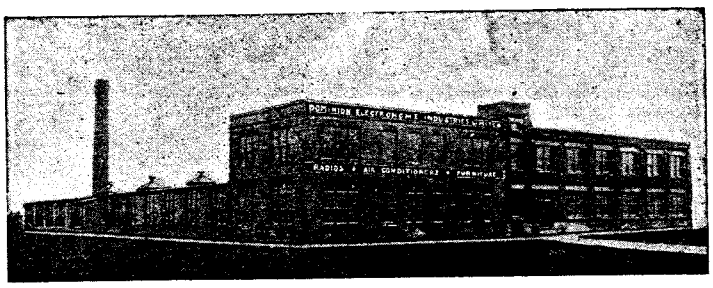


Factory No. 1
39 Edward Street, Kitchener



Factory No. 2
480 Victoria St. North, Kitchener

SERVICE MANUAL & PARTS LIST

FOR

115 VOLTS

Series 941-E Z941-E

25 or 60 CYCLE

60 CYCLE ONLY

4-Tube Extended Band Superheterodyne Receiver

WITH AUTOMATIC VOLUME CONTROL

A. C. OPERATED

MADE IN CANADA

SPECIFICATIONS

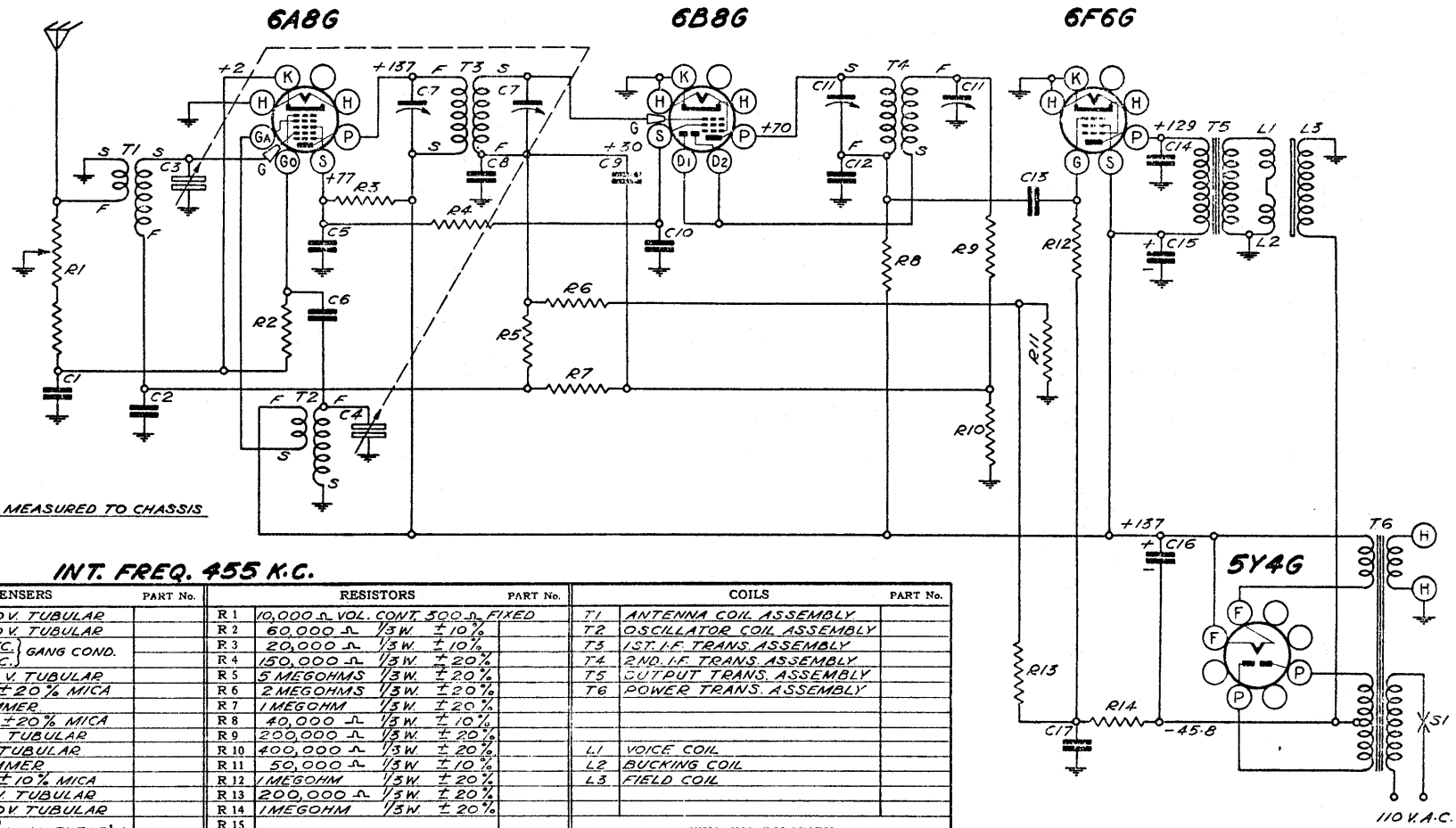
Tuning Range	530 K.C. to 1700 K.C.
Intermediate Frequency	455 K.C.
Speaker	5" Dynamic
Power Output	1.25 Watts
Power Consumption	30 Watts

DOMINION ELECTROHOME INDUSTRIES LIMITED

KITCHENER, ONTARIO, CANADA

Manufacturers of

RADIO RECEIVERS — AIR CONDITIONERS — FANS — FINE FURNITURE



ALL VOLTAGES MEASURED TO CHASSIS

INT. FREQ. 455 K.C.

	CONDENSERS	PART No.
C 1	.05 Mfd. 200 V. TUBULAR	
C 2	.05 Mfd. 200 V. TUBULAR	
C 3	356 MMfd. SEC. } GANG COND.	
C 4	162 MMfd. SEC. }	
C 5	.05 Mfd. 400 V. TUBULAR	
C 6	.00012 Mfd. ±20% MICA	
C 7	DUAL I.F. TRIMMER	
C 8	.00026 Mfd. ±20% MICA	
C 9	.01 Mfd 400 V. TUBULAR	
C 10	.1 Mfd. 200 V. TUBULAR	
C 11	DUAL I.F. TRIMMER	
C 12	.0005 Mfd ±10% MICA	
C 13	.01 Mfd 400 V. TUBULAR	
C 14	.005 Mfd 600 V TUBULAR	
C 15	8 Mfd 165 V. } DUAL ELECT'LYC.	
C 16	8 Mfd 218 V. }	
C 17	.25 Mfd 200 V. TUBULAR	
C 18		
C 19		
C 20		
C 21		
C 22		
C 23		
C 24		
C 25		
C 26		
C 27		
C 28		
C 29		
C 30		
C 31		
C 32		
C 33		
C 34		
C 35		
C 36		
C 37		
C 38		

	RESISTORS	PART No.
R 1	10,000 Ω VOL. CONT. 300 Ω FIXED	
R 2	60,000 Ω 1/3 W. ±10%	
R 3	20,000 Ω 1/3 W. ±10%	
R 4	150,000 Ω 1/3 W. ±20%	
R 5	5 MEGOHMS 1/3 W. ±20%	
R 6	2 MEGOHMS 1/3 W. ±20%	
R 7	1 MEGOHM 1/3 W. ±20%	
R 8	40,000 Ω 1/3 W. ±10%	
R 9	200,000 Ω 1/3 W. ±20%	
R 10	400,000 Ω 1/3 W. ±20%	
R 11	50,000 Ω 1/3 W. ±10%	
R 12	1 MEGOHM 1/3 W. ±20%	
R 13	200,000 Ω 1/3 W. ±20%	
R 14	1 MEGOHM 1/3 W. ±20%	
R 15		
R 16		
R 17		
R 18		
R 19		
R 20		
R 21		
R 22		
R 23		
R 24		
R 25		

	COILS	PART No.
T1	ANTENNA COIL ASSEMBLY	
T2	OSCILLATOR COIL ASSEMBLY	
T3	1ST. I.F. TRANS. ASSEMBLY	
T4	2ND. I.F. TRANS. ASSEMBLY	
T5	OUTPUT TRANS. ASSEMBLY	
T6	POWER TRANS. ASSEMBLY	
L1	VOICE COIL	
L2	BUCKING COIL	
L3	FIELD COIL	

WINDING POLARITY

"S" DESIGNATES START OF WINDING

"F" DESIGNATES FINISH OF WINDING

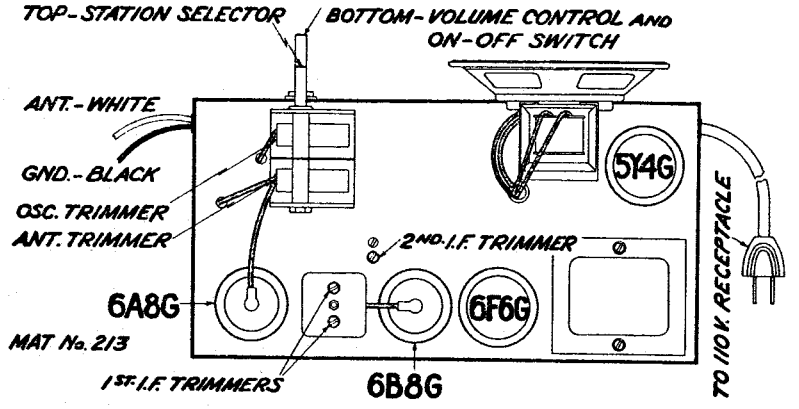
No.	CHANGES	DATE	BY

DOMINION ELECTROHOME INDUSTRIES LIMITED

KITCHENER CANADA

TITLE WIRING DIAGRAM MODEL 941

DATE MAR. 24/39	PRINT APPROVED BY [illegible]	CHIEF ENGINEER [illegible]
DRAWN BY [illegible]	ELECTRICAL APPROVAL BC 4-6-39.	PART No. J-851



ALIGNMENT AND CALIBRATION

These receivers are carefully aligned and calibrated at the factory with precision instruments. If realignment is necessary, the following equipment is required:

(1) A Signal Generator to supply with accuracy the frequencies:

(a) 455 K. C., (b) 1460 K. C.

(2) A dependable Output Meter.

ALIGNMENT — PROCEED IN SEQUENCE LISTED

Band	Band Switch Setting	Dummy Antenna	Connect Generator To	Radio Dial Setting	Generator Frequency	Trimmer Adjusted	Adjustment	Note	Approx. Sensitivity
2nd I. F.		.1 Mfd.	Grid of 6B8G I. F. Tube	1700 K. C.	455 K. C.	2nd I. F. C-11	Maximum Output		
1st I. F.		.1 Mfd.	Grid of 6A8G 1st Detector	1700 K.C.	455 K. C.	1st I. F. C-7	Maximum Output		150 Microvolts
1460 K. C.		200 Mmfd.	Antenna	1460 K. C.	1460 K. C.	B. C. Osc. C-4 B. C. Ant. C-3	Maximum Output		50 Microvolts
600 K. C.		200 Mmfd.	Antenna	600 K. C.	600 K. C.			Check Only	50 Microvolts

PARTS AND PRICE LIST

SERIES 941-E—Z941-E

Part No.	Description	List Price
A-155	No. 80 Socket Shield	$ .02
A-267	Felt Knob Washer	.02
A-844	Dial Scale	.15
B-230	Tube Shield Base	.05
B-231	Tube Shield	.10
B-1337A	Dial Scale Mounting Plate	.20
C-480	Small Grid Clip	.02
C-367	Square I. F. Coil Shield, 3½"x1-7/16"	.20
G-390	8 Mfd. 218 volt—8 mfd. 165 volt, Dual Dry Electrolytic with Clamp	1.25
J-850	Operating Instructions (Series 941-E)	
J-852	Operating Instructions (Series Z941-E)	
K-264A	Eight-Prong Socket	.15
K-790A	Eight-Prong Socket, 1, 7 and 8 lugs grounded	.15
K-791A	Eight-Prong Socket, 1 and 7 lugs grounded	.15
K-736A	A. C. Line Cord with Plug	.40
K-796	5" Dynamic Speaker	4.80
	Cone and Voice Coil Assembly for K-796 Speaker	2.85
LK-293	25 cycle Power Transformer (941-E)	4.45
D-386	25 cycle Power Transformer Coil only	2.60
LK-297	60 cycle Power Transformer (Z941-E)	3.35
D-392	60 cycle Power Transformer Coil only	1.80
N-183	Bakelite Bar Knob (Tuning)	.15
N-184A	Bakelite Knob (Volume)	.10
P-571	Antenna Coil Assembly	.90
P-572	Oscillator Coil Assembly	.65
P-573	1st I. F. Transformer Assembly	1.50
P-574	2nd I. F. Transformer Assembly	.50
R-206A	Volume Control with On-Off Switch	1.10
V-206	Gang Condenser	2.40
V-171	30-145 Mmfd. Dual I. F. Trimmer	.35

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE.